ABSTRACT OF THE DISCLOSURE

A single intranet, internet, or World Wide Web-accessible interface is provided for, initiation of, interactive adjustments to, and access to the outputs of an integrated workflow of a plurality of analytical computer applications for characterization and analysis of traits and optimal management of the extraction of oil, gas, and water from a subsurface reservoir. By combining disparate analytical application tools in a seamless and remotely accessible, package, incompatibility problems caused by the disparate nature of petroleum analysis methods is reduced. The assumptions, analytic processes, and input data used for one analysis may be readily retrieved and re-evaluated for that reservoir or for future evaluations of the same or other reservoirs. Thus a flexible database of analysis tools and data may be implemented for access, input, and output of workflow and analytical data in the field, in conjunction with standard main computer servers, software and plug-ins, and portable remote computers.